

DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
Munstermann4Dst1

Company Gore Oil Company Lease & Well No. Munstermann No. 4
Elevation 3016 GL Formation Lansing "D" Effective Pay _____ Ft. Ticket No. RR213
Date 12-13-15 Sec. 19 Twp. 1S Range 32W County Rawlins State Kansas
Test Approved By Charles Schmaltz Diamond Representative Ricky Ray

Formation Test No. 1 Interval Tested from 4,006 ft. to 4,065 ft. Total Depth 4,065 ft.
Packer Depth 4,001 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 4,006 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 3,994 ft. Recorder Number 0062 Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 4,043 ft. Recorder Number 5954 Cap. 5,000 psi.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

Drilling Contractor VW Drilling, LLC - Rig 10 Drill Collar Length 120 ft I.D. 2 1/4 in.
Mud Type Chemical Viscosity 57 Weight Pipe Length _____ ft I.D. _____ in.
Weight 9.0 Water Loss 6.8 cc. Drill Pipe Length 3,854 ft I.D. 3 1/2 in.
Chlorides 800 P.P.M. Test Tool Length 32 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number 12 Anchor Length 28' perf. w/31' drill pipe Size 4 1/2-FH in.
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Weak, surface blow increasing to 1 1/4 ins. in 30 mins. Weak blow back during shut-in.
2nd Open: No blow. Blow came in at 17 mins. increasing to 1 in. in 60 mins. Weak blow back during shut-in.

Recovered 5 ft. of mud = .024600 bbls. (Grind out: 100%-mud)
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Remarks Tool Sample Grind Out: 100%-mud
Diesel in bucket.

Time Set Packer(s) 1:42 A.M. Time Started off Bottom 5:42 A.M. Maximum Temperature 114°
Initial Hydrostatic Pressure.....(A) 1959 P.S.I.
Initial Flow Period.....Minutes 30 (B) 11 P.S.I. to (C) 18 P.S.I.
Initial Closed In Period.....Minutes 60 (D) 1053 P.S.I.
Final Flow Period.....Minutes 60 (E) 19 P.S.I. to (F) 28 P.S.I.
Final Closed In Period.....Minutes 90 (G) 1056 P.S.I.
Final Hydrostatic Pressure.....(H) 1912 P.S.I.

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Ricky Ray - Tester
(620) 617-7261

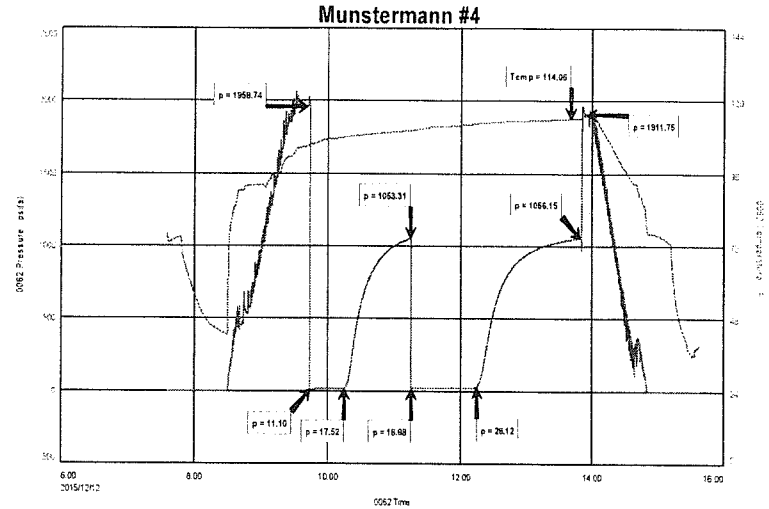
Wellsite Report

General Information

Company Name	Gore Oil Company
Contact	Pat Canaday
Well Operator	Gore Oil Company
Well Name	Munstermann #4
Surface Location	Sec: 19-1s-32w (Rawlins County)
Field	Wilhem
Well Type	Vertical
Pool	Infield
Test Purpose (AEUB)	Initial Test
Qualified By	Chuck Schmaltz
Gauge Name	0062

Test Information

Job Number	RR213
Test Type	Drill Stem Test
Well Fluid Type	01 Oil
Formation	Dst 1 Lan "D" (4006-4065)
Start Test Date	2015/12/12
Start Test Time	23:32:00
Final Test Date	2015/12/13
Final Test Time	07:36:00



Test Results

Recovery:

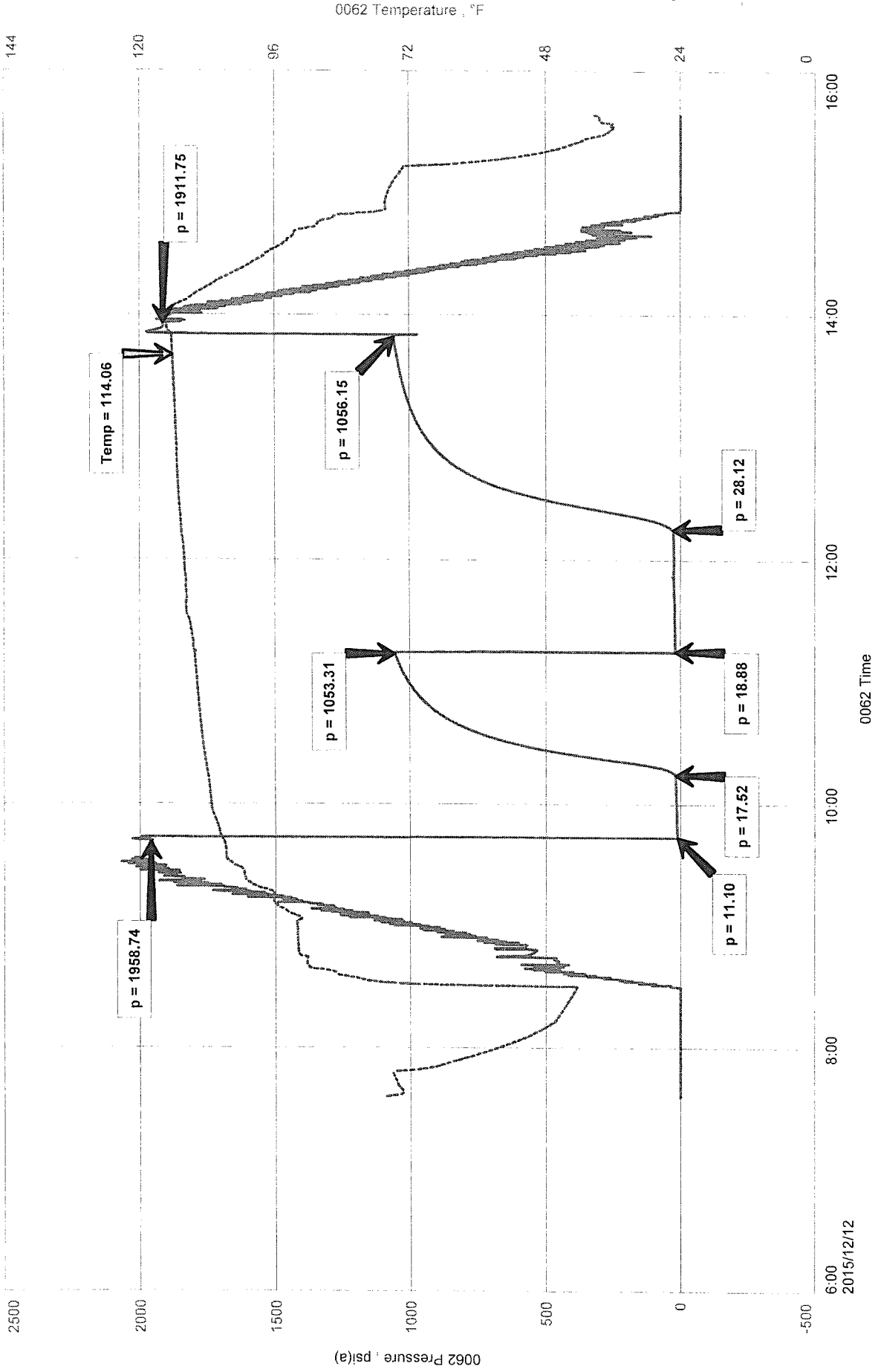
5' M 100% M

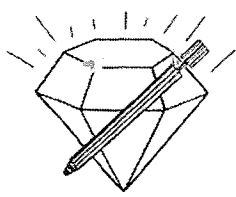
Tool Sample: 100% M

Gore Oil Company
Dst 1 Lan "D" (4006-4065)
Start Test Date: 2015/12/12
Final Test Date: 2015/12/13

Munstermann #4
Formation: Dst 1 Lan "D" (4006-4065)
Pool: Infield
Job Number: RR213

Munstermann #4





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Munstermann4Dst2

Company Gore Oil Company Lease & Well No. Munstermann No. 4
Elevation 3016 GL Formation Lansing "G" Effective Pay Ft. Ticket No. RR214
Date 12-13-15 Sec. 19 Twp. 1S Range 32W County Rawlins State Kansas
Test Approved By Charles Schmaltz Diamond Representative Ricky Ray

Formation Test No. 2 Interval Tested from 4,062 ft. to 4,110 ft. Total Depth 4,110 ft.
Packer Depth 4,057 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 4,062 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 4,050 ft. Recorder Number 0062 Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 4,099 ft. Recorder Number 5954 Cap. 5,000 psi.
Below Straddle Recorder Depth ft. Recorder Number Cap. psi.

Drilling Contractor WW Drilling, LLC - Rig 10 Drill Collar Length 120 ft I.D. 2 1/4 in.
Mud Type Chemical Viscosity 69 Weight Pipe Length ft I.D. in.
Weight 9.1 Water Loss 6.4 cc. Drill Pipe Length 3,910 ft I.D. 3 1/2 in.
Chlorides 1,100 P.P.M. Test Tool Length 32 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number 12 Anchor Length 17' perf. w/31' drill pipe Size 4 1/2-FH in.
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Weak, surface blow increasing to 1 1/4 ins. in 30 mins. 1/2 in. blow back during shut-in.
2nd Open: Weak, surface blow increasing to 1/4 in. in 45 mins. Weak blow back during shut-in.

Recovered 5 ft. of slightly oil cut mud = .024600 bbls. (Grind out: 2%-oil; 98%-mud)
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Remarks Tool Sample Grind Out: 1%-oil; 99%-mud
Diesel in bucket.

Time Set Packer(s) 5:47 P.M. Time Started off Bottom 9:02 P.M. Maximum Temperature 110°
Initial Hydrostatic Pressure.....(A) 1972 P.S.I.
Initial Flow Period.....Minutes 30 (B) 11 P.S.I. to (C) 20 P.S.I.
Initial Closed In Period.....Minutes 60 (D) 910 P.S.I.
Final Flow Period.....Minutes 45 (E) 16 P.S.I. to (F) 27 P.S.I.
Final Closed In Period.....Minutes 60 (G) 780 P.S.I.
Final Hydrostatic Pressure.....(H) 1946 P.S.I.



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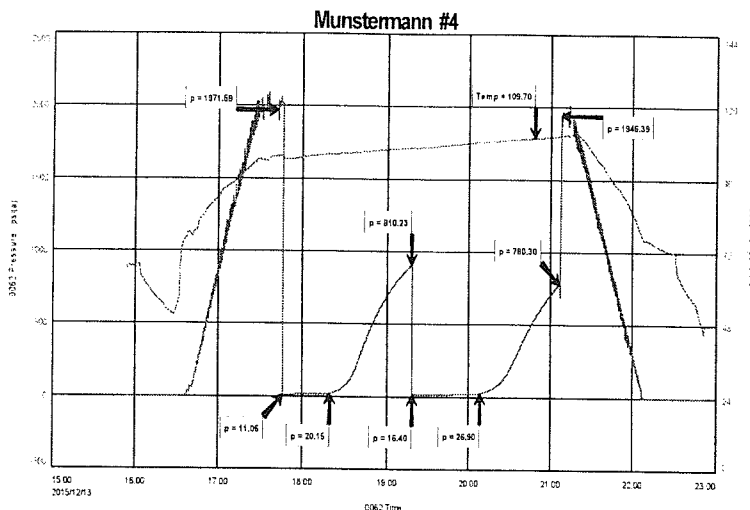
Wellsite Report

General Information

Company Name	Gore Oil Company
Contact	Pat Canaday
Well Operator	Gore Oil Company
Well Name	Munstermann #4
Surface Location	Sec: 19-1s-32w (Rawlins County)
Field	Wilhelm
Well Type	Vertical
Pool	Infield
Test Purpose (AEUB)	Initial Test
Qualified By	Chuck Schmaltz
Gauge Name	0062

Test Information

Job Number	RR214
Test Type	Drill Stem Test
Well Fluid Type	01 Oil
Formation	Dst 2 Lan "G" (4062-4110)
Start Test Date	2015/12/13
Start Test Time	15:54:00
Final Test Date	2015/12/14
Final Test Time	22:53:00



Test Results

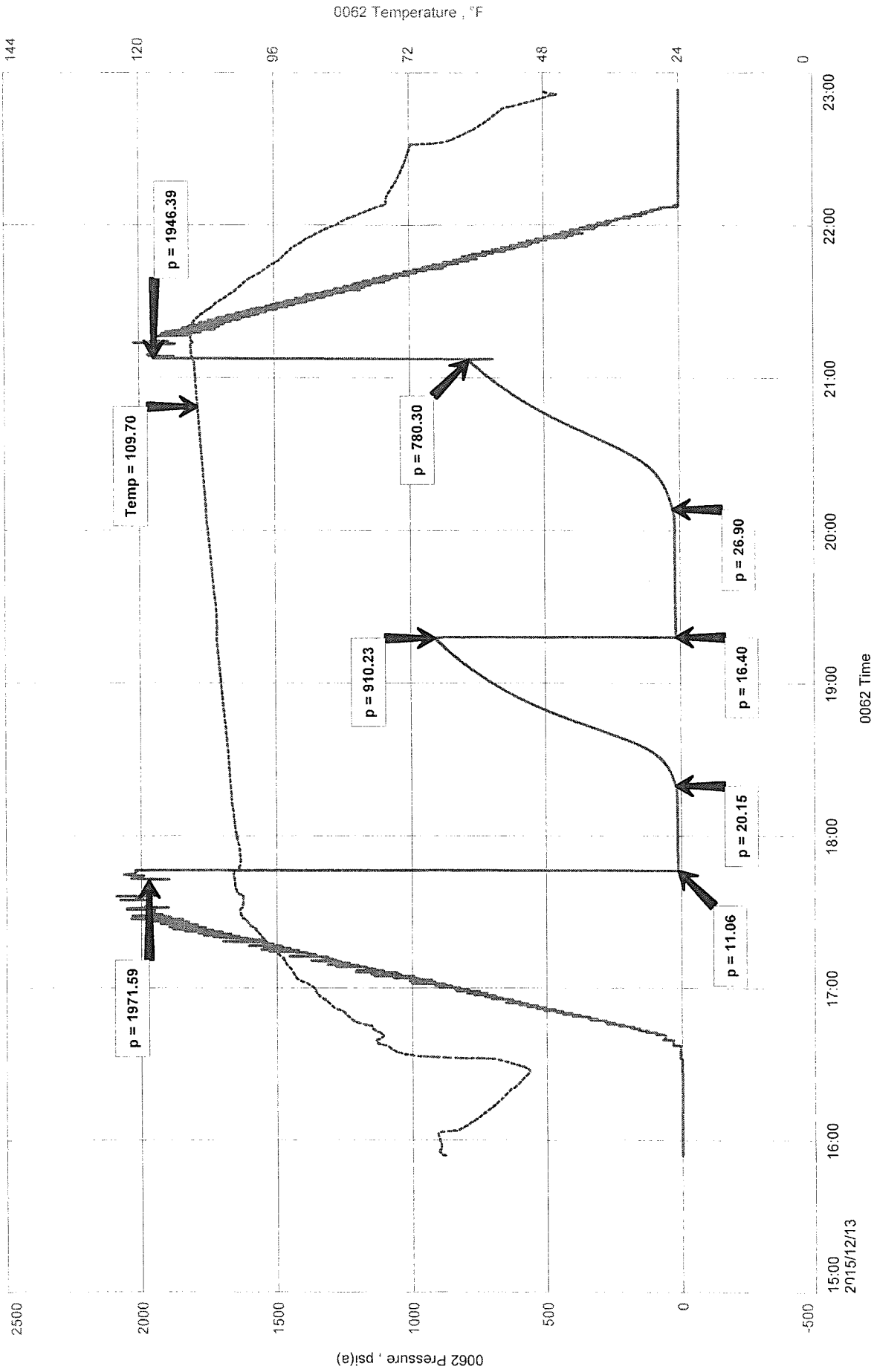
Recovery:

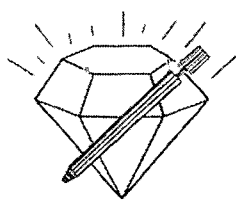
5'	SLOCM	2% O	98% M
Tool Sample:	1% O	99% M	

Gore Oil Company
Dst 2 Lan "G" (4062-4110)
Start Test Date: 2015/12/13
Final Test Date: 2015/12/14

Munstermann # 4
Formation: Dst 2 Lan "G" (4062-4110)
Pool: Infield
Job Number: RR214

Munstermann #4





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Munstermann4Dst3

Company Gore Oil Company Lease & Well No. Munstermann No. 4
Elevation 3016 GL Formation Lansing "H-J" Effective Pay _____ Ft. Ticket No. RR215
Date 12-14-15 Sec. 19 Twp. 1S Range 32W County Rawlins State Kansas
Test Approved By Charles Schmaltz Diamond Representative Ricky Ray

Formation Test No. 3 Interval Tested from 4,100 ft. to 4,210 ft. Total Depth 4,210 ft.
Packer Depth 4,095 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 4,100 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 4,088 ft. Recorder Number 0062 Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 4,200 ft. Recorder Number 5954 Cap. 5,000 psi.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

Drilling Contractor WW Drilling, LLC - Rig 10 Drill Collar Length 120 ft I.D. 2 1/4 in.
Mud Type Chemical Viscosity 67 Weight Pipe Length _____ ft I.D. _____ in.
Weight 9.2 Water Loss 6.4 cc. Drill Pipe Length 3,948 ft I.D. 3 1/2 in.
Chlorides 1,000 P.P.M. Test Tool Length 32 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number 12 Anchor Length 15' perf. w/95' drill pipe Size 4 1/2-FH in.
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Weak, surface blow increasing to 1 1/4 ins. in 30 mins. No blow back during shut-in.
2nd Open: Weak, surface blow. No blow back during shut-in.

Recovered 10 ft. of mud = .049200 bbls. (Grind out: 100%-mud)
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Remarks Tool Sample Grind Out: 100%-mud
Diesel in bucket.

Time Set Packer(s) 9:40 A.M. Time Started off Bottom 12:55 P.M. Maximum Temperature 113°
Initial Hydrostatic Pressure.....(A) 2022 P.S.I.
Initial Flow Period.....Minutes 30 (B) 13 P.S.I. to (C) 21 P.S.I.
Initial Closed In Period.....Minutes 60 (D) 900 P.S.I.
Final Flow Period.....Minutes 45 (E) 23 P.S.I. to (F) 27 P.S.I.
Final Closed In Period.....Minutes 60 (G) 795 P.S.I.
Final Hydrostatic Pressure.....(H) 1994 P.S.I.



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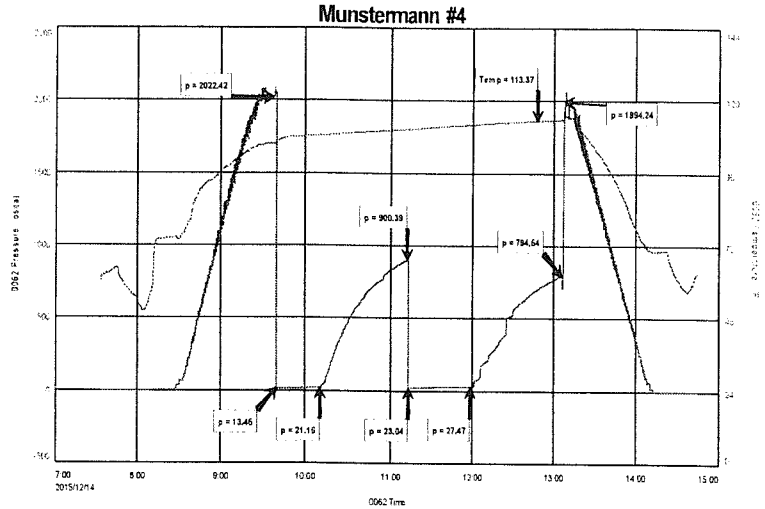
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General Information

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Well Operator	Gore Oil Company
Well Name	Munstermann #4
Surface Location	Sec: 19-1s-32w (Rawlins County)
Field	Wilhelm
Well Type	Vertical
Pool	Infield
Test Purpose (AEUB)	Initial Test
Qualified By	Chuck Schmalz
Gauge Name	0062

Test Information

Job Number	RR215
Test Type	Drill Stem Test
Well Fluid Type	01 Oil
Formation	Dst 3 Lan "H-J" (4100-4210)
Start Test Date	2015/12/14
Start Test Time	07:33:00
Final Test Date	2015/12/14
Final Test Time	14:44:00



Test Results

Recovery:

10' M 100% M

Tool Sample: 100% M

Gore Oil Company
Dst 3 Lan "H-J" (4100-4210)
Start Test Date: 2015/12/14
Final Test Date: 2015/12/14

Munstermann #4
Formation: Dst 3 Lan "H-J"
Pool: Infield
Job Number: RR215

Munstermann #4

